



CMF / CRF Details

CMF ID: 10595

Install a pedestrian hybrid beacon (PHB or HAWK)

Description:

Prior Condition: *No Prior Condition(s)*

Category: Pedestrians

Study: [*Evaluation of Pedestrian Hybrid Beacons on Arizona Highways, Fitzpatrick et al., 2019*](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 0.706

Adjusted Standard Error:

Unadjusted Standard Error: 0.081

Crash Reduction Factor (CRF)

Value: 29.4 (*This value indicates a **decrease** in crashes*)

Adjusted Standard Error:

Unadjusted Standard Error: 8.1

Applicability

Crash Type: Angle

Crash Severity: All

Roadway Types: All

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type: Urban and suburban

Traffic Volume:

Time of Day: All

If countermeasure is intersection-based

Intersection Type: Roadway/roadway (not interchange related)

Intersection Geometry: 3-leg,4-leg,Not specified

Traffic Control: Not specified

Major Road Traffic Volume: 5400 to 47627 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume:

Development Details

Date Range of Data Used: 2007 to 2017

Municipality:

State: AZ

Country:	
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-17-2020
Comments:	The reference group consisted of 56 signalized intersections.

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